AARCOVER

Keeping Austin Wireless for Over 94 Years!

Bulletin of Austin Amateur Radio Clubs ISSN 1067-0262

May 2014 **Issue 5-2014**

A Century of Amateur Radio and the ARRL ARRL Letter, April 10, 2014

During the war years, QST featured a number of articles on basic cryptanalysis, an important wartime area. Other articles went back to radio basics, to help hams still at home to brush up on their theory. Still others reported on advances in the state of the radio art. Articles showed military radio setups in use by the Signal Corps in the field during training exercises, by the Army Air Corps, by the Navy on board ships, by the Marines, and by the Coast Guard. The ARRL stood firmly behind the war effort, and did everything it could to help it.

QST began listing the names of hams who were missing in action, and of those confirmed by the Red Cross as being prisoners of war. Later in the war, QST carried reports of "Gold Star" hams -- those who had died as a result of military action.

The April 1944 issue of QST included plans for "A Workable WERS Battery Transceiver."

(Continued on page 5)

Periodic Events

Sun	7:00 p.m.	Travis ARES net	147.36 MHz + (131.8)
Sun	8:00 p.m.	Travis ARES Packet	145.73 MHz -
Sun	8:00 p.m.	Williamson ARES net	146.64 MHz - (162.2)
Sun	9:00 p.m.	ARO Swapnet	146.94 MHz -
Sun	(After Swapnet)	Newsline	146.94 MHz -
Mon.	7:30 p.m.	STX ARES Net	3.873 MHz
Tues.	7:30 p.m.	Hays ARES net	147.100 +
Tues.	8:00 p.m.	Bastrop ARES Net	443.750 + (114.8)
Wed	11:30 a.m.	Ham Social Luncheon, Jim's	146.94 MHz -
Thu	9:00 p.m.	2m SSB Net	144.250 (USB)
Thu	11:00 a.m.	Lunch, Pokey Joe's 183&Great Hills	444.1 MHz+
Fri	8:00 p.m.	6m SSB Net	50.230(texasvhf.org/)
Sat	7:00 - 8:30a.m.	Breakfast @ Waterloo Ice House	444.1 MHz +
Sat	9:00 a.m.	Chapter 67 QCWA QSO Net.	3.920 MHz LSB
Daily	6:30 p.m.	Central Texas Traffic Net	147.14MHz+

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Ham Radio Exams Results

The following are the results of the ARRL VE Test Session held on April 5th at Bethany United Methodist Church:

Technician Class Licenses Processed

Richard A. Allcorn KG5BKM
Stephanie K. Elliott KG5BKK
Robert J. Hawkins KG5BKL
Darrell J. Pargmann KG5BKE
Robert G. Rickenbacker KG5BKN
James S. Bell KG5BOH
Stephen Elliott KG5BKH
Christopher M. Kite KG5BKC
John T. Payne KG5BKI
Heather E. Stennett KG5BKF
Ernest A. Cisneros KG5BKG
Karl B. Fisher KG5BKJ
Jimmy C. Newman KG5BKO
Linda C. Randall KG5BKD

General Class License Processed

Robert T. Hannabery KG5AQI
Sherry B. Koch KG5BKP

Extra Class Licenses Processed

Gary L. Becker AF5QB
Richard L. Miller AF5QA

Examiners Participating in this Test Session

Craig Bean AC5KW
Joe Makeever W5HS
Joe Thiel N5SMN
Tony Davee KM5JH
Matt Porcher K5LF
Ted Iglehart KF5END
Donald Sitze AF6VA

Next ARRL VE Test Sessions

May 3rd - Bethany United Methodist Church, Disciple Bldg. Room 203/204
June 7th - Bethany United Methodist Church, Disciple Bldg. Room 203/204

TNX ES 73 DE W5HS
Joe

4-19-14

The South Austin W5YI VE team heartily congratulates the following people who earned new or upgraded amateur radio licenses at our April 19th session:

Extra Class

Gerald Lozano (NEW)

General Class

Christopher Kite KG5BKC
Charles Sawyers KF5WOS
Charles Matthes KG5AYY
Kim McMullen (NEW)

Technician Class (ALL NEW)

Steven Leary
Paul Gabler
Daniel McCoy II
Tony Para
Joshua Rouw
James Shipley
Katharine Teleki

Our administering volunteer examiners were:

Craig Bean, AC5KW
Sam Mihalik, KM5MY
Keith Watson, N9TX
Wally Marusa, K5WLY

Our next two amateur radio exam sessions will start at
2 PM on May 17th and June 21st in
Fleck Hall, room 118 on the campus of St. Edward's University.
All sessions are walk-in and the exam fee is $14.

For additional information regarding our amateur radio examination sessions,
please contact Craig, AC5KW at (512) 474-6443 or by e-mail to
hamradioexams@hotmail.com or visit our web page at http://texashams.org/w5yi-austin/

Austin Amateur Radio Club, Inc., PO BOX 4739, AUSTIN TX 78765-4739, Web site: http://www.austinhams.org

President	Lori Schmidt	KM5MQ	512-632-6789	president@austinhams.org
Vice President	Rich Kerschner	KC9VFT		vice-president@austinhams.org
Treasurer	Jay Hoffman	KA5OST		treasurer@austinhams.org
Secretary	Jorge Harada	KF5IED		secretary @ austinhams.org
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ARRL Travis Co. Emer. Coord.	Don Dudley	AC5YK	512-680-0498	ac5yk@ arrl.net
TC ARES PIO	Steven Polunsky	W5SMP		tcares-pio@gmail.net

Please contact a club officer, attend a meeting, mail us to join the organization, you can also join or renew online.
The Austin Amateur Radio Club, Inc. (AARC) has annual membership dues of $20.00 per person or $30.00 per family. AARC maintains the following repeaters:

FREQUENCY	AUTOPATCH	USE
146.780	No	
146.880	Yes	General
146.940 107.2 PL Tone	No	Most popular, WX, Swapnet & Newsline
224.800	No	
444.100	No	
440.650 +5	No	70cm D-Star Repeater [W5KA]
146.480/+1.0	No	2m D-Star Repeater [W5KA C]
1293.200/-20	No	23cm D-Star Repeater[W5KA A]
1248.200	No	23cm D-Star DD (data, simp./reversible)[W5KA A]

Persons using the repeaters are asked to join the club to help support these valuable resources. To use the autopatch, announce your call sign, press * and dial the phone number then release the PTT. When finished, press # to hang up the phone. Dial 911 (no * needed) for emergency services.

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Members and other readers are encouraged to submit material for publication. Call Mitch London, if mailed submissions are
required. Electronic files are encouraged! Submissions may be edited for publication. **Deadline is the 22nd of the month.**

Material may be used in a later issue. Unless otherwise noted, permission is granted to reprint AARCOVER articles, provided you credit the author and the AARCOVER.
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For Changes in your ADDRESS, PHONE NUMBER or CALL SIGN:
See Jay Hoffman, KA5OST ka5ost @ arrl.net
Jay handles all changes for membership information .

Club Dues for 2014 are Due!

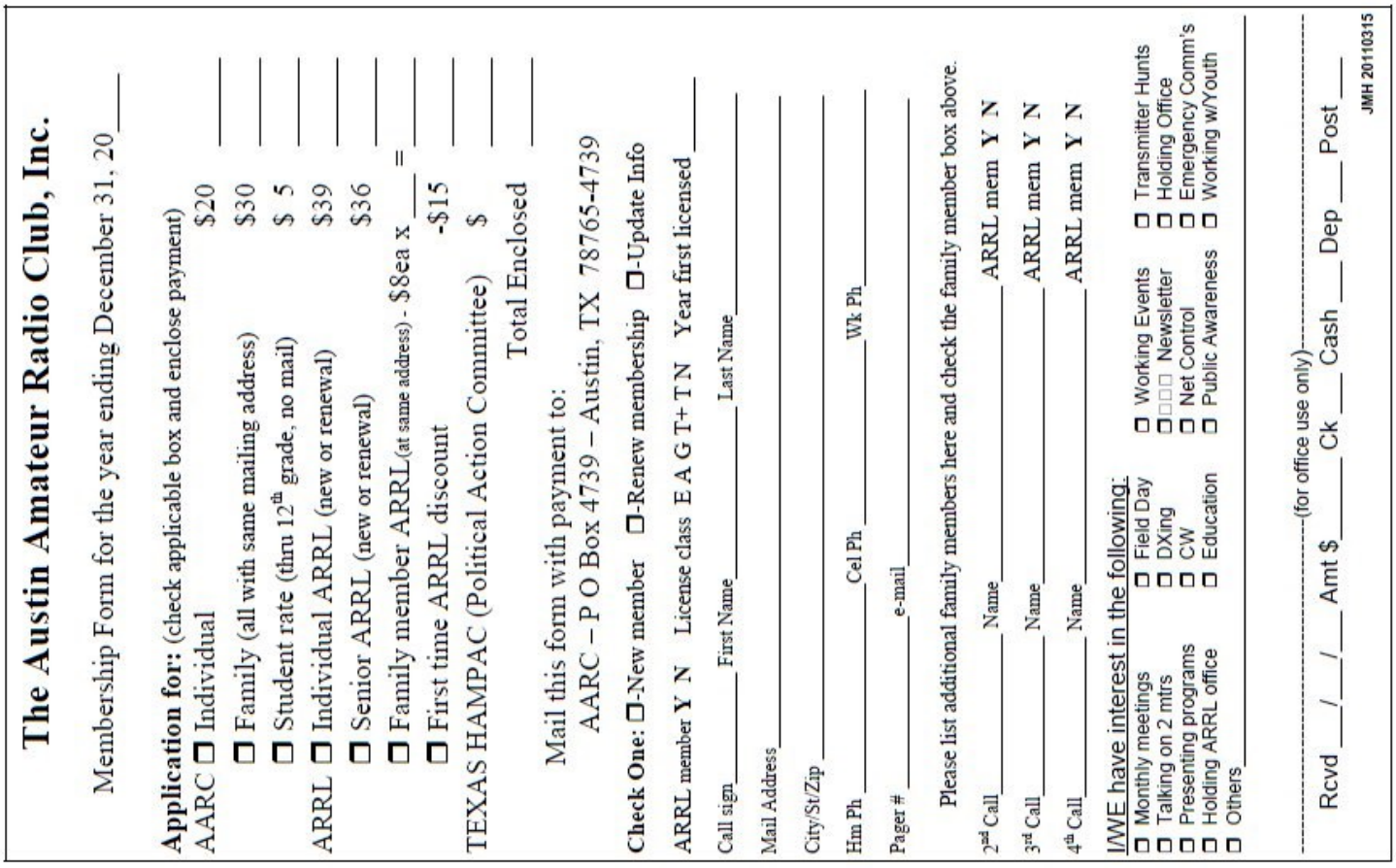
The new year is here and you might as well get a jump on things by paying your dues for the 2014 year.

Besides the admiration of your friends, you also get guilt free use of all club repeaters, access to club equipment, online help through the use of the Austin Hams Yahoo group and much more! Be the first on your block to be a renewing member in 2013!

You can pay online at- **http://www.austinhams.org/join.htm**

Just fill out the .pdf form and mail to:

The Austin Amateur Radio Club
PO Box 4739
Austin, TX 78765-4739



The Austin Amateur Radio Club, Inc.

Membership Form for the year ending December 31, 20___

Application for: (check applicable box and enclose payment)

AARC ☐ Individual $20 _____
☐ Family (all with same mailing address) $30 _____
☐ Student rate (thru 12th grade, no mail) $ 5 _____
ARRL ☐ Individual ARRL (new or renewal) $39 _____
☐ Senior ARRL (new or renewal) $36 _____
☐ Family member ARRL(at same address) - $8ea x ___ = _____
☐ First time ARRL discount -$15 _____
TEXAS HAMPAC (Political Action Committee) $ _____
Total Enclosed _____

Mail this form with payment to:
AARC – P O Box 4739 – Austin, TX 78765-4739

Check One: ☐-New member ☐-Renew membership ☐-Update Info

ARRL member Y N License class E A G T+ T N Year first licensed _____

Call sign _____ First Name _____ Last Name _____

Mail Address _____

City/St/Zip _____

Hm Ph _____ Cel Ph _____ Wk Ph _____

Pager # _____ e-mail _____

Please list additional family members here and check the family member box above.

2nd Call _____ Name _____ ARRL mem Y N

3rd Call _____ Name _____ ARRL mem Y N

4th Call _____ Name _____ ARRL mem Y N

I/WE have interest in the following:

☐ Monthly meetings ☐ Field Day ☐ Working Events ☐ Transmitter Hunts
☐ Talking on 2 mtrs ☐ DXing ☐ ☐☐☐ Newsletter ☐ Holding Office
☐ Presenting programs ☐ CW ☐ Net Control ☐ Emergency Comm's
☐ Holding ARRL office ☐ Education ☐ Public Awareness ☐ Working w/Youth
☐ Others _____

---(for office use only)---

Rcvd ___/___/___ Amt $_____ Ck ___ Cash ___ Dep ___ Post ___

JMH 20110315

AARC Meeting, 4 Mar 2014
Mtg Called to Order: 7:30PM
Misc: Meeting was held in reverse order (Raspberry Pi Presentation 1st)
Visitors/New Members/New Calls:
No new or changed ones
Minutes: Feb minutes need approval in April mtg.
Officer Reports:
President: none
V-P none
Tres none
Editor: none
Tech Committee none
ARES: Red Cross Drill – successful, very high marks.
W5KA Club station VHF/HF & Packet ops that worked- Stu K5KVH, Kevin KF5FUZ, Andy KC5DJT, Norm KE5DTP Rick K5RIK.
Deborah, new ham was NCS!
Other:
HSMM – Ubiquity products now supported by February launched OS
Skywarn report was given. Good attendance and focus on this year's Social Networking additions i.e. ATXfloods.com .
Tech Class: Roger W5WIA starting Tech Class Monday April 7.
Old Business: None
New Business:
SAMC DStar Repeater & HSMM Upgrade: A detailed BOM was offered, Officers & Board reviewed and presented to membership. $2500 was unanimously approved.
HOM: Jim Greenwood AB5EK (SK) acknowledging all the work & encouragement of new & upgrading Hams in the ATX area.
Slides and discussion of upcoming events: all listed in the AARC Swapnet newsletter, at www.austinhams.org, or at the Yahoo user group.
Announcements: None
Adjourned: 8:30PM
Presentation: Raspberry Pi Presentation
Respectfully submitted by Jeff Schmidt N5MNW (fill-in Secretary)

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*(Continued from page 1)**Century of Ham Radio*

The principles of radar were well known in the technical community, but this was highly classified work during the war. The veil of military secrecy was lifted just enough for the first "official" announcement of the existence of radar in the military to be made on April 25, 1943.

Later in the war, US hams started receiving unusual German-language signals in the vicinity of 10 meters. An investigation by the FCC and other government agencies showed that what those hams were hearing were transmissions from tank-borne tactical radios of the Afrika Korps, commanded by Field Marshall Erwin Rommel -- "the Desert Fox" -- during battles in North Africa. Hams who were fluent in German had a ringside seat to some fierce action!

By 1944, stories of hams' experiences in military action began appearing in QST. The magazine also included such tales as "Hamfest in North Africa" (QST, Feb 1944), as hams got together here and there around the world. ■

AARC Meeting 4/1/14
Meeting start 1900

No birthdays this month

Visitors: Dick Geisler KD5IC

New Hams: Benjamin Schmidt - no call sign yet

New Members: None

Upgrades: None

Call Sign Changes: None

Announcements: Past Events: Belton Swapmeet. Lots of treasures to be bought and sold - Lori and Jeff did well.

Upcoming Events:

April 2nd, TCARES ABIA Drill from 1220 to 1640
April 5-6: Texas State Parks on the Air - more info on Swapnet
April 12-13 - MS150 Bike ride, need drivers, navs, and other volunteers. Check Swapnet for more info
General AARC Dues are due
T-Shirts and polos available

No other announcements, except April Fools gag message by Jeff N5MNW.

Officer Reports:
Lori Schmidt - President KM5MQ, none
Vice President - Rick Kirschner KC9VFT
Treasurer - Jay Hoffman KA5OST
Secretary - Jorge Harada KF5IED
No officers needed to report.

Newsletter - Mitch London KD5HCV - read the newsletter and send in articles!
Technical - Stuart Rohre K5KVH - No repeater problem reports. Submit reports through the usual channels.
ARES - Don Dudley AC5YK - ABIA drill on April 2nd. Monitor on 147.360mhz. ARES meeting on 4th Tuesday. Listen to 7pm Sunday night announcements to confirm meeting time and place.

Broadband Hamnet/HSMM-MESH
AARC Ladies - Lori Schmidt KM5MQ
Other SIGS:

No Old Business

No new Business

Ham Radio Cruise projected for April

Ham of the month: Jeff Schmidt N5MNW. Nominate someone at austinhams.org!

44 in attendance. 2 door prizes drawn.

Space Weather: Lew Thompson W5IFQ
Don't give up on Cycle 24! Solar flux/sunspots is at a cycle high and rising. 3 active sunspots with potential for M and X flares. X-ray flux is at C1. Quiet magnetic conditions. Planetary K-Index is averaging 1. Probability of flares over the next few days is 0-20%. Austin Ionosonde date is updated every 5 minutes. Critic freq at 1700 zulu is 32mhz, all the way up to 37mhz over the weekend. Check txarmymars.org and spaceweather.com for further info.

Meeting Adjourned: 1935.

AARC Presentation:
Intro to Cryptography for the Amateur Radio Operator by William Moyes, KC6ARO

Where is That Interference Coming From?
By Jeff Steinkamp, N7YG

Over the past couple of months I have had serious interference issues from my Netgear WNR2000V3 wireless router. This interference was present in two or three places on every ham band from 80 – 6 meters. My problem child was 28.118 MHz where the 10 meter PropNET frequency is, along with some junk at 28.120 MHz, the 10 meter PSK frequency.

This device was definitely not in compliance with Part 15 requirement for unlicensed electronic devices. So, for the past 2 months or so I have been going back and forth with Netgear on this when I finally determined their so-called “engineers” must have received their engineering degrees from the University of Cracker Jacks.

To make a long story short, the problem is not necessarily the router, but the extremely poor quality switching power supply that comes with this device, even though their head engineer told me there was no way a switching power supply could cause any type of radio interference.

I built a pig-tail with the proper power connector and first hooked this router up to 2-6 volt lantern batteries in series. Guess what? Absolutely no RF or switching hash was found anywhere from 80 – 6 meters. I found 2 other suitable 12 volt,1 amp supplies in my junk box. One was another generic switcher and the other is an old Radio Shack, linear unit. I tried the linear unit and no hash. I then tried the generic switcher and had the same exact hash and noise as before. As a last test, I hooked the routers power directly to the output of the radios supply just to see if we might have some common mode interference playing around and still no problems.

So the moral of this story is – if you are getting interference that you have narrowed down to your router, try replacing the power supply with a good regulated linear unit and 99% of you problems will disappear.

Over the WWWaves...

A Collection of useful and interesting Websites sent in by our readers

(All links have been checked by editor as working at time of publication)

How it was done 75 years ago !!!
A 1939 short New Zealand movie titled, From Back-Blocks to High Seas - a romance of the radio-telegraph service, is now available

The YouTube description reads:
The romance of the radiotelegraph service. This service utilized the high frequency spectrum known as "shortwave" (from 3 MHz up to 30 MHz) as well as the longwave and medium frequency spectrum (below 3 MHz).

This is a short film about communication to and from New Zealand on these shortwaves, using Morse code (eventually, using CW modulation). This film is a 1939 Government film scanned to 2K from a 16mm combined B/W reduction print.
It is from ArchivesNZ http://YouTube.com/ArchivesNZ and is licensed under Creative Commons Attribution, reuse allowed.

Watch 1939 Film: New Zealand Shortwave Communications; Morse code (CW)

Southgate Amateur Radio Club - England -

Forwarded by Juanita Miyasaki, KD5OIE

If you think of counterfeit chips as art.

http://blog.makezine.com/2012/06/20/news-from-the-future-counterfeit-microchips-are-getting-so-good-they-cant-be-identified/

150 years of telegraphy across the country
http://www.deseretnews.com/article/700191238/Nation-united-by-telegraph-150-years-ago.html?pg=1

Rick Herndon, K5FNI

Operating HF in a Prius
http://wa8lmf.net/mobile/prius/index.htm
A friend sent me this article. Its my experience also.

73 de k5gp

AARC Meeting Info.
Waterloo Icehouse
8600 Burnet Rd. South of 183
(Come early and have dinner!)

Business Meeting 7:00 pm

May 6 - Matt K5LF - ATXFloods mobile-friendly website

Officers Meeting 6:30 pm

May 20 - Officers meetings are open to club members.

2013 Upcoming Amateur Exams

ARRL VEC– May 3rd & June 7th 9a.m. at Bethany United Methodist Church. Contact Joe Makeever, W5HS (345-0800) or Joe Thiel, N5SMN (832-0450) for info. $15 fee.

W5YI VEC- May 17th & June 21st
2p.m. in **room 207**, Fleck Hall, St. Edwards Univ. Contact Craig Bean, AC5KW @arrl.net, (474-6443) for more info.
http://texashams.org/w5yi-austin/

2014 Calendar of Events

May 10 ***WCARC Spring Picnic***
Large "A" Arbors in San Gabriel Park

May 31 ***THE 44th ANNUAL 7290 TRAFFIC NET PICNIC***
The SPJST Lodge Hall #48 10450 FM 619
Beyersville (Taylor), TX
2 Meter Talk in Frequency 145.450(-)162.2PL Taylor Repeater OR
147.54 Simplex OR 7290 Traffic Net

www.7290trafficnet.org/
www.7290trafficnet.org/_mgxroot/page_10821.html

Jun 13-14 ***Ham-Com in Plano***
Plano Convention Center
http://www.hamcom.org/

Jun 28-29 ***Field Day*** weekend

Jul 4 ***Round Rock Fourth of July Parade***
Independence
Ken K7MAL@arrl.net

Jul 24-27 ***48th Annual CSVHFS Conference***
Austin Marriott South I35 at HWY 71
www.csvhfs.org

Upcoming Meetings...

May	Austin	Meetings/Happenings	Time	Address
6	2	AARC Meeting Waterloo Ice House	7:00 p.m.	8600 Burnet Rd.
no	no	QCWA Tres Amigos $	1:30 p.m.	7535 U.S. 290
28	25	Digital Wednesday at CATRAC	7:00 p.m.	4100 Ed Bluestein Blvd.
26	23	Travis Co. REACT Jim's 183 & Burnet	7:30 p.m.	9091 Research Blvd.
27	24	Travis County A.R.E.S. Waterloo Icehouse%	7:00 p.m.	8600 Burnet Rd.
22	26	CERT Meeting, CTECC	6:30 p.m.	5010 Old Manor Rd.
27	24	CTDXCC Meeting Old Quarry Library	6:30 p.m.	7051 Village Ctr Dr.

% New Meeting Location for TCARES
$ QCWA Now meets quarterly visit http://www.qcwa.org/chapter067.htm for info